

Amendment Under 37 C.F.R. § 1.111  
US Appln. 10/046,154

Atty. Docket: Q67889

### AMENDMENTS TO THE CLAIMS

1. (Currently Amended) Process for fine machining of a functional first surfaces surface on a pre-machined and hardened transmission gear ~~workpieces with~~ workpiece, the workpiece comprising said functional first surface, a second surface and a cylindrical boring, wherein said first functional surfaces comprising surface comprises a gearing and said second functional surface does not require hard machining, wherein in one and the same fixing of said workpiece on second surfaces and not requiring hard machining, said gearing according to a continuously working generating grinding process and, at the same time, said boring are machined  
the process comprising fixing said workpiece on said second surface, machining said gearing according to a continuously working generating grinding process and, at the same time and in the same fixing, machining said boring.

2. (Original) Process, according to claim 1, wherein for the machining of the gearing the continuous generating grinding using a cylindrical grinding worm is used.

3. (Original) Process according to claim 1, wherein for the machining of the gearing the continuous profile generating grinding with a globoid-like grinding worm is used.

#### **4-10. (Canceled)**

11. (Currently Amended) Process according to claim 1, wherein said ~~functional first surfaces comprise~~ workpiece comprises a frontal surface and ~~wherein the frontal surface is machined~~ the process comprises machining said frontal surface at the same time as said gearing and said boring.

12. (Currently Amended) Process according to claim 3, ~~wherein 1, further comprising~~ continuous profile generating grinding is ~~used with~~ and subsequent honing in the same mounting.

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13. (Currently Amended) Process for fine machining of a functional first surfaces surface on a pre-machined and hardened transmission gear workpieces with workpiece, the workpiece comprising said functional first surface, a second surface and a cylindrical boring, wherein said first functional surfaces comprising surface comprises a gearing and said second functional surface does not require hard machining, wherein in one and the same fixing of said workpiece on second surfaces and not requiring hard machining, said gearing according to a continuously working generating machining process and, at the same time, said boring are machined

the process comprising fixing said workpiece on said second surface, machining said gearing according to a continuously working generating machining process and, at the same time and in the same fixing, machining said boring.

14. (Previously Presented) Process according to claim 13, wherein said machining process is a gear honing process.

ENCLOSURE